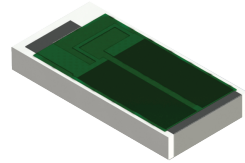


TV1206CT-50R0GN-96-04 Features:

- Solderable Terminals
- RoHS Compliant
- Customer Defined Testing Available
- High Rated Power
- ±2% Resistor Tolerance
- Tape & Reel and Waffle Pack Available (Standard is Bulk)

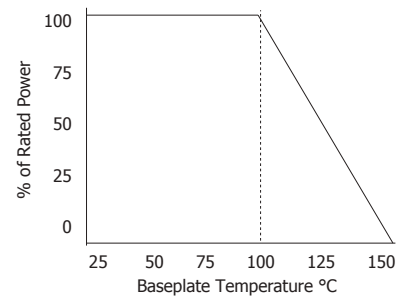


TV1206CT-50R0GN-96-04 Parameters:

Operating Frequency:	DC - 18GHz
Rated Power:	40W*
Return Loss (Typical)**:	20dB or Better
Impedance:	50Ω***
Resistor Construction:	Thick Film on BeO
Terminal Metallization:	100% Matte Tin over Nickel over Silver
Operating Temperature:	-55 to +150°C

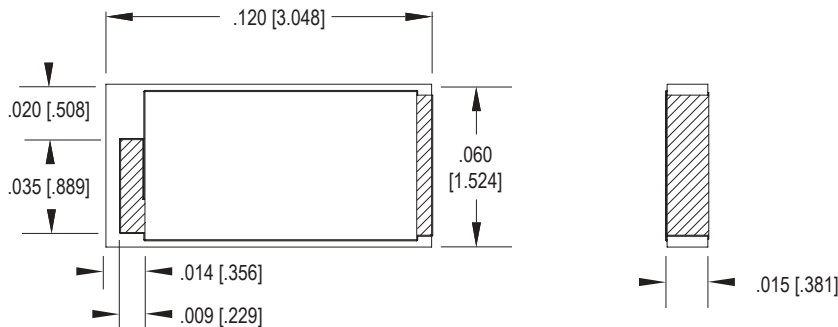
Actual Size

TV1206CT-50R0GN-96-04 Power Derating Curve



* Rating based on ≤100°C constant baseplate temperature
 ** In a matched, continuous 50Ω system with proper workmanship
 *** Other values and tolerances available. Contact factory.

TV1206CT-50R0GN-96-04 Dimensions:



Dimensions in inches [mm]
 Tolerance is ± 0.010 [0.254]
 unless otherwise stated

Ordering Information:

TV	1206	CT -	50R0	G	N	-	96	-04	UU
Prefix for Chip Termination	Size 1206	Terminal Metallization	Impedance Value Code	Tolerance	Normal Inspection Contact factory for additional options	Substrate	Assigned by Factory	Packaging	
CT - Matte Tin over Nickel over Silver		RoHS Yes	50R0 - 50Ω	G - 2%		96 - 0.015" BeO	Epoxy No	Blank - Bulk TR - Tape & Reel WP - Waffle Pack	Wirebond No

Barry Industries reserves the right to change part number and/or process without notification.



ORIG.	REV.	No.
JUN 7 2010	JUN 9 2015	A
PAGE 1 OF 2		

TV1206CT-50R0GN-96-04 Reliability Specifications:

Parameter:	Test Condition:	Results:
Short Time Overload	Apply 1.1x Rated Power for 5 Seconds.	≤ 5.0% Resistance Shift
Rated Load Life	Apply 1/2 Power Under 40°C ±2°C 90 Minutes on/ 30 Minutes off. Repeat for 100 hours	≤ 5.0% Resistance Shift
Moisture Resistance	MIL-PRF-55342 para 4.8.9 95% RH, 25°C - 65°C	≤ 5.0% Resistance Shift
Resistance to Soldering Heat	MIL-STD-202 Method 210 and MIL-PRF-55342 Para 4.8.8.1	≤ 5.0% Resistance Shift
Resistance to Bonding Exposure	MIL-PRF-55342 Para 4.8.8.2	≤ 5.0% Resistance Shift
Solderability	MIL-PRF-55342 Para 4.8.12	>95% Covered
High Temperature Storage	125°C ±2°C for 500 Hours	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)
Thermal Shock	-5°C to +150°C 30 Minutes Dwell, 5 Cycles	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)

Barry Industries reserves the right to change part number and/or process without notification.

